

CLAIMS

1. A battery comprising:
 - a battery module provided with a metal tab; and
 - a package having an innermost heat-sealable layer and holding the battery module therein such that the metal tab extend outside from the package;wherein the package has a heat-sealed peripheral part, and a part of the tab corresponding to the heat-sealed peripheral part is provided with a corrosion-resistant layer formed by a chemical conversion treatment.
2. The battery according to claim 1, wherein the corrosion-resistant layer of the tab is formed by a phosphate chromate treatment.
3. The battery according to claim 1, wherein the corrosion-resistant layer of the tab is formed of a resin containing a phenolic resin and a metal of molybdenum, titanium or zirconium, or a metallic salt.
4. The battery according to claim 1, wherein the corrosion-resistant layer of the tab is formed by a triazine thiol treatment.
5. The battery according to claim 1, wherein the package further comprises a base layer, a bonding layer, and a first corrosion-resistant layer formed by a chemical conversion treatment.
6. The battery according to 5, wherein the package further comprises a second corrosion-resistant layer sandwiched between the bonding layer and the barrier layer.
7. The battery according to claim 1, wherein an adhesive film is wound around the tabs.
8. A metal tab for a battery including a sealed package having a sealed peripheral part and a battery module held in the package, attached to the battery module and extending outside through the sealed peripheral part of the package, said metal tab comprising:
 - a tab body; and
 - a corrosion-resistant layer formed on a part of the tab

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9. The tab according to claim 8, wherein the corrosion-resistant layer is formed by a phosphate chromate treatment.

11. The tab according to claim 8, wherein the corrosion-resistant layer of the tab is formed by a triazine thiol treatment.

preparing a metal sheet for forming a tab body;
slitting the metal sheet into the tab body;
degreasing an entire surface of the tab body;
applying a solution prepared by mixing a phosphate,
chromic acid, a fluoride and a triazine thiol compound to
the degreased surface of the tab body; and
drying the solution applied to the tab body to form a
corrosion-resistant layer.